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1 [Optimized ticket distribution scheme for fast re-authentication protocol \(fap\)](#)



Maryna Komarova, Michel Riguidel

October 2007 Q2SWinet '07: Proceedings of the 3rd ACM workshop on QoS and security for wireless and mobile networks

Publisher: ACM

Full text available: [pdf\(334.76 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 90, Citation Count: 0

In this paper we introduce a ticket distribution scheme for Fast re-Authentication protocol (FAP) for inter-domain roaming. FAP is designed to reduce the authentication time of a mobile user in a visited administrative domain. The approach eliminates ...

Keyw ords: authentication, authorization, inter-domain roaming, wireless security

2 A peer-to-peer approach to wireless LAN roaming



Elias C. Efstathiou, George C. Polyzos

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available: [pdf\(279.70 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 137, Citation Count: 3

We make the case for a Global Confederation of Peer-to-Peer (P2P) Wireless Local Area Networks. A P2P Wireless Network Confederation (P2PWNC) is a community of administrative domains that offer wireless Internet access to each other's registered users. ...

Keywords: P2P, WISP, WLAN, Wi-Fi, incentives, mixes, privacy, roaming

3 Improved EAP keying framework for a secure mobility access service



Rafa Marin Lopez, Antonio Gomez Skarmeta, Julien Bournelle, Maryline Laurent-Maknavicus, Jean Michel Combes

July 2006 IWCMC '06: Proceedings of the 2006 international conference on Wireless communications and mobile computing

Publisher: ACM

Full text available: [pdf\(134.94 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 121, Citation Count: 0

Users roaming is an important feature to be provided by current ISPs. The goal is to allow users to access to the Internet from everywhere without the need to have multiple subscriptions. A suitable authentication and key distribution mechanism between ...

Keywords: EAP, access control, authentication, key hierarchy, key management, mobility, roaming

4 Extended Internet caching protocol: a foundation for building ubiquitous Web caching



Wenzheng Gu, Abdelsalam (Sumi) Helal

March 2003 SAC '03: Proceedings of the 2003 ACM symposium on Applied computing

Publisher: ACM

Full text available: [pdf\(695.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 94, Citation Count: 0

Internet access by nomadic users roaming on a mobile network presents a scenario of access that is substantially different from the wired network. With current web caching technology, accessing the web while mobile is slow not only because of bandwidth ...


Keyw ords: Internet Caching Protocol, Mobile IP, Mobile Web Caching

5 mPERSONA: personalized portals for the wireless user: An agent approach

Christoforos Panayiotou, George Samaras

December Mobile Networks and Applications, Volume 9 Issue 6
2004

Publisher: Kluwer Academic Publishers

Full text available:  pdf(1.30 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 93, Citation Count: 2

The needs of the wireless and mobile user regarding information access and services are quite different than those of the desktop user. This need is not about browsing the Web but about receiving personalized services that are highly sensitive to the ...


Keyw ords: mobile agents, mobile computing, personalization, pervasive computing, wireless portals

6 Network layer access control for context-aware IPv6 applications

Adrian Friday, Maomao Wu, Joe Finney, Stefan Schmid, Keith Cheverst, Nigel Davies

July Wireless Networks, Volume 9 Issue 4
2003

Publisher: Kluwer Academic Publishers

Full text available:  pdf(3.57 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 151, Citation Count: 1

As part of the Lancaster GUIDE II project, we have developed a novel wireless access point protocol designed to support the development of next generation mobile context-aware applications in our local environs. Once deployed, this architecture will ...

Keyw ords: authentication, mobile IPv6, public access point, security, wireless Internet

7 A cost-efficient signaling protocol for mobility application part (MAP) in IMT-2000 systems



Wenye Wang, Ian F. Akyildiz

July 2001 MobiCom '01: Proceedings of the 7th annual international conference on mobile computing and networking

Publisher: ACM

Full text available: [pdf\(239.98 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 36, Citation Count: 0

An efficient signaling protocol for mobility application part (MAP) is essential to mobility support when mobile terminals roam between different networks in next generation wireless systems such as IMT-2000. In this paper, a new signaling protocol is ...

8 Determination of the Registration Point for Location Update by Dynamic Programming in PCS

Chae Y. Lee, Seon G. Chang

September 2001 Wireless Networks, Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

Full text available: [pdf\(205.97 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 22, Citation Count: 1

Location management is important to effectively keep track of mobile terminals with reduced signal flows and database queries. Even though dynamic location management strategies are known to show good performance, we in this paper consider the static ...

Keyw ords: dynamic programming, location management, selective pointer forwarding

9 "May we have class outside?": implementing service learning in a CS1 curriculum

Joseph Brian Adams, Erica Runkles

May 2004 Journal of Computing Sciences in Colleges, Volume 19 Issue 5

Publisher: Consortium for Computing Sciences in Colleges

Full text available: [pdf\(151.61 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 27, Citation Count: 1

While service-learning is becoming more common in college curriculums, it is still noticeably absent from many computer science programs. This paper describes the concept of service-learning and its implementation into a computer science course. It then ...

10 The elements of nature: interactive and realistic techniques



Oliver Deussen, David S. Ebert, Ron Fedkiw, F. Kenton Musgrave, Przemyslaw Prusinkiewicz, Doug Roble, Jos Stam, Jerry Tessendorf
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available:  pdf(17.65 MB)

Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 79, Downloads (12 Months): 1679, Citation Count: 1


This updated course on simulating natural phenomena will cover the latest research and production techniques for simulating most of the elements of nature. The presenters will provide movie production, interactive simulation, and research perspectives ...

11 Process migration



Dejan S. Milošević, Fred Douglass, Yves Paindaveine, Richard Wheeler, Songnian Zhou
September 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 3

Publisher: ACM

Full text available:  pdf(1.24 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 677, Citation Count: 24

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has ...

Keywords: distributed operating systems, distributed systems, load distribution, process migration


12 [A mobile computing middleware for location- and context-aware internet data services](#)



Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli

November 2006 ACM Transactions on Internet Technology (TOIT), Volume 6 Issue 4

Publisher: ACM

Full text available:  [pdf\(316.77 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 72, Downloads (12 Months): 780, Citation Count: 0

The widespread diffusion of mobile computing calls for novel services capable of providing results that depend on both the current physical position of users (location) and the logical set of accessible resources, subscribed services, preferences, and ...

Keyw ords: Mobile computing, adaptive services, context awareness, location awareness, middleware, mobile agents, policies

13 [A secure authentication and billing architecture for wireless mesh networks](#)

Yanchao Zhang, Yuguang Fang

October 2007 Wireless Networks, Volume 13 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(501.79 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 275, Citation Count: 0

Wireless mesh networks (WMNs) are gaining growing interest as a promising technology for ubiquitous high-speed network access. While much effort has been made to address issues at physical, data link, and network layers, little attention has been paid ...

Keyw ords: authentication, billing, roaming, security, wireless mesh networks (WMNs)

14 [A framework for seamless roaming across heterogeneous next generation wireless networks](#)

Nirmala Shenoy

November 2005 Wireless Networks, Volume 11 Issue 6

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(826.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 99, Citation Count: 0

In the future, wireless and mobile users will have increased demands for seamless roaming across different types of wireless networks, quality of service guarantees and support of different types of services. This awareness has led to research activities ...


Keyw ords: QoS provisioning, handoff management, heterogenous wireless networks, seamless roaming

15 A framework for seamless roaming across heterogeneous next generation wireless networks

Nirmala Shenoy

September 2005 Wireless Networks, Volume 11 Issue 5

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(826.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 151, Citation Count: 1

In the future, wireless and mobile users will have increased demands for seamless roaming across different types of wireless networks, quality of service guarantees and support of different types of services. This awareness has led to research activities ...

Keyw ords: QoS provisioning, handoff management, heterogenous wireless networks, seamless roaming


16 An approach to enhance inter-provider roaming through secret sharing and its application to WLANs



Ulrike Meyer, Jared Cordasco, Susanne Wetzel

September 2005 WMASH '05: Proceedings of the 3rd ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available:  [pdf\(278.20 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 106, Citation Count: 0

In this paper, we show how secret sharing can be used to address a number of shortcomings in state-of-the-art public-key-based inter-provider roaming. In particular, the new concept does not require costly operations for certificate validation by the ...


Keyw ords: 802.11i, EAP-TLS-KS, PKI, WLAN, distributed DSS, inter-provider roaming, micropayment scheme, secret sharing

17 Wireless hotspots: current challenges and future directions

Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl

June 2005 Mobile Networks and Applications, Volume 10 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  pdf(780.01 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 430, Citation Count: 2

In recent years, wireless Interact service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...


Keyw ords: deployment, performance

18 Agent-based modeling and simulation: desktop ABMS

Charles M. Macal, Michael J. North

December 2007 WSC '07: Proceedings of the 39th conference on Winter simulation: 40 years! The best is yet to come

Publisher: IEEE Press

Full text available:  pdf(755.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0


Agent-based modeling and simulation (ABMS) is a new approach to modeling systems comprised of autonomous, interacting agents. ABMS promises to have far-reaching effects on the way that businesses use computers to support decision-making and researchers ...

19 UbiComp in opportunity spaces: challenges for participatory design

 Eva Hornecker, John Halloran, Geraldine Fitzpatrick, Mark Weal, David Millard, Danius Michaelides, Don Cruickshank, David De Roure

August 2006 PDC '06: Proceedings of the ninth conference on Participatory design: Expanding boundaries in design - Volume 1, Volume 1

Publisher: ACM

Full text available:  pdf(163.05 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 102, Citation Count: 2

The rise of ubiquitous computing (UbiComp), where pervasive, wireless and disappearing technologies offer hitherto unavailable means of supporting activity, increasingly opens up 'opportunity spaces'. These are spaces where there is no urgent problem ...

Keyw ords: case study, participatory design, ubiquitous computing

20 The changing usage of a mature campus-wide wireless network



Tristan Henderson, David Kotz, Ilya Abyzov

September 2004 MobiCom '04: Proceedings of the 10th annual international conference on Mobile computing and networking

Publisher: ACM

Full text available:  [pdf\(625.48 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 234, Citation Count: 39

Wireless Local Area Networks (WLANs) are now commonplace on many academic and corporate campuses. As "Wi-Fi" technology becomes ubiquitous, it is increasingly important to understand trends in the usage of these networks. This paper analyzes an extensive ...

Keywords: 802.11, VoIP, WLAN, Wi-Fi, telephony, voice, wireless network

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